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ORIGINAL CL BY 235779
☐ DECL ☒ REVW ON 2010
 EXT BYND 6 YRS BY SAME
 REASON 3 d (3)

PROGRESS REPORT
 FOR
 MONTH OF JULY 1959

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JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: HR 10-2

BROADBAND ANTENNA, FILTER & DETECTOR SYSTEMS

Purpose: To develop a system of antennas, filters and detectors for the 50 MC to 40,000 MC frequency range.

Personnel: Electrical Engineers:

25X1

Status: Effort was devoted to improving the impedance properties and the patterns above 5 KMC of the 500 MC to 10,000 MC antenna with some success. The SWR was reduced from 4.5:1 to 1.5:1. The patterns are now considerably more frequency independent.

An investigation of strip line filter techniques was initiated but is still in the preliminary stages.

Future Plans: The filter investigation will continue and work on the antenna for use above 10 KMC will begin.

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